

REQUEST FOR PROPOSAL

Addendum # 2



Department Of Executive Services
Finance and Business Operations Division
Procurement and Contract Services Section
206-684-1681 TTY RELAY: 711

ADDENDUM DATE: November 29, 2004

RFP Title: TRANSIT RADIO SYSTEM

RFP Number: 04-003PR

Due Date/Time: December 23rd - 2:00 P.M.

Buyer: Paul Russell, paul.russell@metrokc.gov , 206-684-1054

Q#	Section	QUESTION	ANSWER
Part A, SECTION A			
1.	Part A, Section A-21. B, Organization of Submission, Packages, Volume 4: Other Documents (pg. 14 in original .pdf document)		<p>CLARIFICATION:</p> <p>1) The County wants the proposer to submit your Responsiveness information that was requested under Volume 4 Tab B to be submitted instead in Volume 5: Price Proposal.</p> <p>2) Volume 4 should have been called 'Other Materials'.</p> <p>3) The FTA 'Rolling Stock' Certificate is added to TAB A ATTACHMENTS.</p> <p>DELETE:</p> <p><u>Volume 4: Other Documents</u></p> <p>TAB A — ATTACHMETNS A, G, H, P</p> <p>TAB B — Responsiveness and Responsibility</p> <p>TAB C — Statement on Letter of Credit</p> <p>TAB D — Statement of Insurance</p> <p>TAB E — Specification Cut Sheets</p> <p>TAB F — Other material for King County to consider</p> <p>REPLACE WITH:</p> <p><u>Volume 4: Other Material</u></p> <p>TAB A ATTACHMETNS A, G, H, H1, P</p> <p>TAB B Statement on Letter of Credit</p> <p>TAB C Statement of Insurance</p> <p>TAB D Specification Cut Sheets</p> <p>TAB E Other material for King County to consider</p>
2	Part A, Section A-		DELETE:

This Invitation to Bid Addendum will be provided in alternative formats such as Braille, large print, audiocassette or computer disk for individuals with disabilities upon request.

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	21. B, Organization of Submission, Packages, Volume 5: Price Proposal		<p>Volume 5: Price Proposal</p> <p>REPLACE WITH:</p> <p><u>Volume 5: Price Proposal</u></p> <p>TAB A Prices</p> <p>TAB B Responsiveness and Responsibility</p>
3.	Part A, Section A-21. B, Organization of Submission, Packages, Volume 4 - Other Materials (pg. 21 in original .pdf document)	<p>Is this a rolling stock Procurement?</p> <p>TAB A requests Attachments A, G, H, and P be placed here. Attachment G is listed as a blank on the index and H – “Buy America” was not included on the CD. Please clarify.</p>	<p>CLARIFICATION:</p> <p>Proposers may be proposing some equipment that is considered “rolling stock” per 49 CFR 661.11(u)) and some equipment that is considered non “rolling stock.” See Note below.</p> <p>See response at end this answer for the Web location for the following Attachments G, H, and H1.</p> <p>DELETE: portion of first part of <u>Volume 4 – Other Material</u>, TAB A</p> <p>TAB A. <u>Attachments A, G, H, P</u></p> <p>Attachment A: Proposal Response Form</p> <p>Attachment G: Domestic Partner Benefits Declaration Form</p> <p>Attachment H: Buy America Certificate</p> <p>Attachment P: Contractors Certification Regarding Systems Integration</p> <p>REPLACE WITH:</p> <p>Volume 4: Other Documents</p> <p>TAB A. <u>Attachments A, G, H, H1, P</u></p> <p>These attachments are required with your Proposal per Part A, Section B. Proposal Submission.</p> <p>NOTE: Per Attachments H & H1. As provided in Part B, Section 72.5, any contract awarded under this RFP will be subject to the “Buy America” requirements of 49 U.S.C. 5323(j) and 49 CFR Part 661. As interpreted by the FTA, manufactured products that constitute communications equipment (See, 49 CFR 661.11(u)) are covered as “rolling stock” when procured separately from vehicle purchases.</p> <p>As required in 49 CFR 661.12, a Proposer is required to complete the certification in Attachment H1 to the extent it is proposing</p>

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			<p>to supply any communications equipment. As required in 49 CFR 661.6, a Proposer is required to complete the certification in Attachment H for any other manufactured products it is proposing to supply. Proposals that are not accompanied by the necessary completed Buy America certification(s) are subject to rejection as nonresponsive.</p> <p>A Proposer shall also provide the County with a written statement of the supporting facts if it asserts that any of its proposed products, components or subcomponents are either covered by a general waiver (e.g. microcomputer equipment) or are otherwise eligible for a waiver under 49 CFR 661.7 and Appendix A to Part 661.7.</p> <p>Proposers asserting that a manufactured product is subject to the general waiver for microcomputer equipment should familiarize themselves with the guidance, interpretations and other content collected in the FTA's Buy America website: http://www.fta.dot.gov/legal/buy_america/14328_ENG_HTML.htm.</p> <p>Attachment A: Proposal Response Form</p> <p>Attachment G: Equal Benefit Worksheet and Declaration Form http://www.metrokc.gov/finance/procurement/documents/U_042_EB_Worksheet_Declaration.doc</p> <p>Attachment H: Buy America Certificate http://www.metrokc.gov/finance/procurement/documents/IBIS_Attachments/ATTACHMENTH_BuyAmericaCertificate.doc</p> <p>Attachment H1 Buy America for Rolling Stock Certificate http://www.metrokc.gov/finance/procurement/documents/IBIS_Attachments/AttachmentH1_BuyAmericaRollingStocks.doc</p> <p>Attachment P: Contractors Certification Regarding Systems Integration</p>
4	Section A-21, Proposal Submittal Requirements, B. PACKAGES		<p>CLARIFICATION: The County wants the proposer to submit your Responsiveness information that was requested under Volume 4 Tab B to be submitted instead</p>

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	PACKAGES Volume 4 Other Material		<p>in Volume 5: Price Proposal. Volume 4 should have been called 'Other Materials'.</p> <p>DELETE:</p> <p><u>Volume 4: Other Documents</u></p> <p>TAB A ATTACHMETNS A, G, H, P</p> <p>TAB B Responsiveness and Responsibility</p> <p>TAB C Statement on Letter of Credit</p> <p>TAB D Statement of Insurance</p> <p>TAB E Specification Cut Sheets</p> <p>TAB F Other material for King County to consider</p> <p>REPLACE WITH:</p> <p><u>Volume 4: Other Materials</u></p> <p>TAB A ATTACHMETNS A, G, H, H1, P</p> <p>TAB C Statement on Letter of Credit</p> <p>TAB D Statement of Insurance</p> <p>TAB E Specification Cut Sheets</p> <p>TAB F Other material for King County to consider</p>
5	Section A-21, Proposal Submittal Requirements, B. Organization of Submission, Packages, Volume 5 Price Proposal		<p>CLARIFICATION: This adds your response to Responsiveness and Responsibility to Volume 5.</p> <p>ADD: under Volume 5 title</p> <p>TAB A Prices TAB B Responsiveness and Responsibility</p>
6	Section A-21, Proposal Submittal Requirements, B. Organization of Submission, Packages, Volume 2 Technical compliance Sheets for Baseline TRS, TAB A <u>Compliance Matrix</u>	<p>The instructions for the EXPLANATION cell state to explain in part A your 'No' or 'Partial' compliance response and then further down in the instructions it states the "Explanation shall address:</p> <p>The extent your proposal complies with the 'Yes' or 'No' or 'Partial'."</p> <p>Please clarify if the answer to Part A applies to only "No" and "Partial" compliance or to all ("Yes, "No" and "Partial) compliance responses.</p>	<p>CLARIFICATION: The County wants an explanation of your ability to comply by elaborating on all three types of compliance: 'Yes', 'No' or 'Partial'. Under "B Explain how your proposed Baseline TRS solution will meet the functional requirements in Part C." the proposer will explain how your proposed system will meet the TRS function requirements. Under B the proposer will elaborate on their 'Yes', compliance along with your 'No' or 'Partial' compliance.</p> <p>DELETE: under 2 EXPLANATION Cell</p> <ul style="list-style-type: none"> The extent your proposal complies with the 'Yes', 'No', or 'Partial'. <p>REPLACE WITH:</p>

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			<ul style="list-style-type: none"> The extent your proposal complies with the “No”, or ‘Partial’.
Part C, SECTION 3			
7.	Section 3.3. Conceptual System Design	This section (and several other sections in the specification) refers to "ninety-five percent (95%) mobile and fifty-nine percent (59%) portable coverage reliability throughout Metro's service area." Does KCM really want 95% mobile coverage reliability throughout 95% of the Metro Service Area? And 95% portable outdoor coverage reliability throughout 59% of the Metro Service Area?	CLARIFICATION: The coverage requirement is ninety-five percent (95%) mobile coverage throughout Metro Service Area. This means ninety-five percent (95%) of the Metro Service Area shall be provided with a Delivered Audio Quality rating of 3.4 (DAQ 3.4) or better for mobile radios. A Delivered Audio Quality of 3.4 shall also be provided for portable units in fifty-nine percent (59%) of the Metro Service Area.
8.	Section 3.4.3.3.3.F. Encryption	<i>"Data encryption shall operate in a similar fashion, and shall also be transparent to the user, except that an icon or some other indicator on the mobile or portable radio and at the console shall indicate that the channel is operating in encrypted mode."</i> Question: This section implies that the mobile radio will have a display on which to show the encryption indicator. Is KCM expecting that the proposed revenue vehicle mobile radio will have a display or simply be able to provide display information to the VLU for rendering on the DDU?	CLARIFICATION: All displays shall be provided to the DDU via the VLU for revenue vehicles, and on the vendor provided control head for non-revenue vehicles.
Part C, SECTION 4			
9	Section 3.4.3.2.A Modulation Types and Technology	This section requires that the proposed system be designed and implemented to allow a complete <u>migration</u> from the initial voice efficiency of one voice path per 12.5 KHz of bandwidth to a voice efficiency of at least one voice path per 6.25 KHz of spectrum bandwidth by the FCC's mandatory deadline of December 31, 2016. The previous paragraph allows vendors to propose either a narrowband FDMA solution, or a TDMA solution. Given these two	CLARIFICATION: Part C, Section 3.4.3.2A(3) requires a voice efficiency of at least one voice path per 12.5KHz bandwidth. Current FCC rules require that by December 31, 2016, all 700 MHz narrow-band systems must operate with a voice efficiency of at least one voice path per 6.25KHz of bandwidth. Accordingly, Part C, Section 3.4.3.2A(4) requires that the TRS be designed and implemented such that, as needed, it can be modified to meet this requirement by December 31, 2016. Proposers need to recognize that the Contract duration runs for ten years after Full System Acceptance (Part B, Sec.49) and the TRS equipment will still be

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		options, does King County Metro require proposers to provide a detailed <u>migration</u> plan that will include associated costs since some modulation/access schemes may require a complete forklift approach to comply with the year 2016 bandwidth requirements? How will KCM evaluate these migration plans and associated costs?	<p>within its useful life at the end of 2016.</p> <p>The County understands that while RF technology will evolve between now and 2016, the voice path issue is an important mid-life consideration that the County will evaluate as part of its due diligence life-cycle planning. King County expects each Proposer to include in its Compliance Matrix for Sections 3.4.3.2A (3) and (4) a thoughtful and technically defensible explanation of its proposed TRS Baseline solution as well as its migration strategy to keep the TRS compliant with FCC rules at the end of 2016. The explanation should provide an analysis of the potential changes in technology that are likely to affect the proposed system, and provide an analysis of the potential magnitude of those changes. A Proposer should summarize any assumptions and caveats behind its assessment. One important consideration for the County will be any time and effort that may be required of the County Maintenance staff to retrofit or modify the equipment by 2016.</p>
10.	Section 4.4.3. Minimum Technical Specifications For Mobile Units	Table 4.1 indicates that the RF power output for the proposed mobile unit should be a minimum of 30 watts. This is also specified in section 4.9.8. This type of requirement does not appear to be representative of a turnkey specification. Since it is up to the proposer to provide the necessary subsystem and terminal equipment to achieve the fundamental % coverage requirements, it does not matter what the mobile RF output wattage is if coverage is compliant. Therefore, the coverage design in itself determines the parameters (e.g. site location, tower height, antenna model/gain, coax, repeater output power, terminal output power, etc.) of the design. It is recommended that this spec either be removed, or changed to 15 watts minimum RF power.	<p>CLARIFICATION:</p> <p>Metro agrees that Proposers are responsible for all equipment to support coverage requirements between mobile units and base stations. Minimum power output requirement for mobile units was established to support mobile-to-mobile operation and 700 MHz interoperability operation. The required technical specification for mobile units' minimum power output has been reduced to 15 watts.</p> <p>DELETE: Table 4-1 Power Output 30 W minimum</p> <p>REPLACE WITH: Table 4-1 Power Output: 15 Watts minimum</p>
Part C, SECTION 10			
11	Section 10.2.6. Canadian DTV Issues		<p>CLARIFICATION:</p> <p>Attachment 2 (PDF)</p>

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			<p>Industry Canada has recently released a spectrum policy document entitled Mobile Service Allocation Decision and Designation of Spectrum for Public Safety in the Frequency Band 746-806 MHz.</p> <p>This document announces Industry Canada's decision to allocate the mobile service in the band 746-806 MHz in Canada on a co-primary basis with the broadcasting service, and designate 12 MHz for Public Safety (channels 63 and 68). Also announced is a moratorium on further TV licensing in this band and the designation of replacement allocations for those that previously assigned channel 63 or 68 including CHEK-TV in Victoria, BC.</p> <p>In light of this recent development, Canadian DTV issues in Section 10.2.6 is no longer a concern.</p> <p>See Appendix O.</p>
Part C, SECTION 14			
12.	Section 14.2.2.2.1.V. General	Table 14.2 indicates that the RF power output for the proposed vehicular repeater unit should be a minimum of 30 watts. This is also specified in section 14.2.2.7.8. This type of requirement does not appear to be representative of a turnkey specification. Since it is up to the proposer to provide the necessary subsystem and terminal equipment to achieve the fundamental % coverage requirements, it does not matter what the vehicular repeater RF output wattage is if coverage is compliant. Therefore, the coverage design in itself determines the parameters (e.g. site location, tower height, antenna model/gain, coax, repeater output power, terminal output power, etc.) of the design. It is recommended that this spec either be removed, or changed to 15 watts minimum RF power.	<p>CLARIFICATION: Metro agrees that Proposers are responsible for all equipment to support coverage requirements between mobile units and base stations. Minimum power output requirement for vehicular repeaters was established to support mobile-to-mobile operation and 700 MHz interoperability operation. The required technical specification for vehicular repeaters' minimum power output has been reduced to 15 watts.</p> <p>DELETE: Table 14-2 Power Output: 30 W minimum</p> <p>REPLACE WITH: Table 14-2 Power Output: 15 Watts minimum</p>
Part C, APPENDIX A			
13	Appendix A	We are unable to utilize the GIS files provided with the TRS RFP in Part C, Appendix A with our coverage prediction tools.	<p>ADD: Attachment 1 (2 ZIP files) GIS shape files for Metro Routes, provided with</p>

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		Is the attached Metro Service Area map available as GIS shape files? If available please also specify the exact coordinate system used (i.e. the name of the projection, the datum, the FIPS number and the units). An example of a typical name is 'NAD 1983 StatePlane Arizona West FIPS 0203 (feet)'.	the Addendum. As for the projection, all of our data are in: HPGN, State Plane Washington State North Zone FIPS 4601 (feet).